

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012361**Date Inspected:** 05-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC) Chanxing Island**Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No			
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A

**Bridge No:** 34-0006**Component:** OBG Segment 9BE**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance Inspector (QA), Vibin Kumar Selvanayaham, was present during the times noted above for observations relative to the work being performed.

**Magnetic Particle Testing (MT)**

This QA inspector performed Visual Testing (VT) on OBG Segment 9BE and VT indications are confirmed by Magnetic Particle Testing (MT) on area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The indications are clearly marked on the material near the weld for future repair. The members are identified as OBG Segment 9BE. The weld designations reviewed are as follows:

**OBG Segment PP75 West side**

1. FB003-133-004
2. FB024-006-092

**OBG Segment PP74 West side**

1. FB012-024-001
2. FB020-007-0092
3. FB003-142-004

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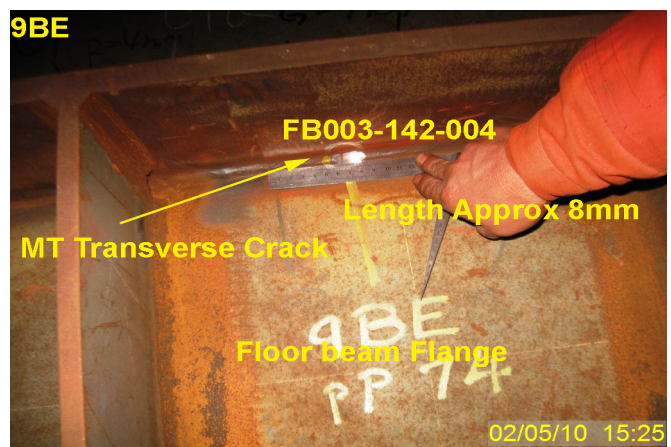
## WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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Description of Incident: During random Quality Assurance Visual review of welds located on segment 9EW, this Quality Assurance Inspector (QA) discovered one (1) Transverse linear indication measuring approximately 8mm in lengths. The indication was discovered visually and confirmed by Magnetic particle Testing (MT) by Caltrans QA. ZPMC Quality Control MT Technicians claimed that magnetic particle testing have been performed on these welds that require 25% MT. The indication is clearly marked on the material near the weld. The weld is identified as FB003-142-004 and Indication from "Y" location is 10600mm. The Panel Point number is identified as PP74 on OBG Segment 9BE. This weld is a Fillet weld joining the Floor beam Web to Flange. The Floor Beam Flange is identified as Non SPCM. For further information, please see the attached pictures

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.



### Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Vibin	Quality Assurance Inspector
<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer

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